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Leu Leu Phe Lys Gly Leu Thr Ala Pro His Pro Ile Ile Arg Leu Glu 130 135 140

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His Arg Leu Leu Ser Ser Pro Asn Ser Leu Thr Arg Asn Tyr Met Ala 195 200 205

Tyr Leu Ile Gly Glu Tyr Gln Gln Arg Arg Phe Leu Pro Thr Leu Arg 210 215 220

Ser Leu Leu Thr Ser Ala Ala Pro Leu Asp Gln Glu Gly Ser Leu Tyr 225 230 235 240

Ala Ile Gly Lys Leu Glu Asp Ala Ser Ser Tyr Pro Lys Ile Lys Ala 245 250 255

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					gca Ala											1152
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cgt Arg	att Ile	cta Leu	act Thr	tca Ser 405	caa Gln	aaa Lys	acc Thr	cct Pro	cta Leu 410	gca Ala	gct Ala	aaa Lys	gct Ala	att Ile 415	gct Ala	1248
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gct Ala	tta Leu 450	tat Tyr	aca Thr	atg Met	acg Thr	caa Gln 455	gat Asp	cct Pro	gaa Glu	aag Lys	aaa Lys 460	gcc Ala	tta Leu	tta Leu	tat Tyr	1392
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Tyr Leu Gln Gln Ser Leu Phe Ser Glu Asp Ala Tyr Val Arg Lys Ser 50 60

Ala Ile Ile Gly Ala Gly Leu Ser Gly Ser Ser Glu Thr Leu Asp Leu Page 13 Leu Ser Glu Ser Ile Glu Thr Gln Asp Leu Tyr Glu Gln Leu Leu Ile 85 90 95

70

Leu Asn Ala Ala Gly Asn Gln Leu Gly Lys Thr Ser Asp Arg Leu Leu 100 105 110

Phe Lys Gly Leu Thr Ala Pro His Pro Ile Ile Arg Leu Glu Ala Ala 115 120 125

Tyr Arg Leu Ala Cys Met Lys Asn Ser Lys Val Ser Asp Tyr Leu Tyr 130 135 140

Ser Phe Ile His Gln Leu Pro Glu Glu Ile Gln Asn Leu Ala Ala Thr 145 150 155 160

Ile Phe Leu Gln Leu Glu Thr Glu Glu Ala Asp Ala Tyr Val His Arg 165 170 175

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Leu Thr Ser Ala Ala Pro Leu Asp Gln Glu Gly Ser Leu Tyr Ala Ile 210 215 220

Gly Lys Leu Glu Asp Ala Ser Ser Tyr Pro Lys Ile Lys Ala Leu Ser 225 230 235 240

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Phe Leu Gly Lys Glu Asp Glu Ala Leu Pro Ile Leu Thr Thr Phe Cys 260 265 270

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Glu Lys Gly Glu Glu Leu Leu Pro Ile Phe Cys Lys Ala Ile Lys 290 295 300

Glu Glu Ile Lys Leu Asn Ala Ala Leu Ala Leu Val His Leu Gly Ser 305 310 315

APL-03-03-PCT-US SEQ LIST Val Asn His Leu Val Leu Ser Tyr Leu Thr Glu Phe Leu Glu Asn Lys 325 330 335 Ile Leu His Arg Ile Phe Leu Pro Thr His Ser Ile Gly Lys Ala Thr 340 350 Gln Phe Trp Lys Glu Cys Thr Ala Leu Pro Leu Leu Ser Pro Glu Glu 355 360 365 Lys Ala Arg Ala Leu Ala Met Tyr Arg Ala Ala Glu Asp Thr Ile Leu 370 380 Ser Ser Leu Leu Lys Leu Pro Asn Asn Ala Tyr Leu Pro Tyr Leu Glu 385 390 395 400 Arg Ile Leu Thr Ser Gln Lys Thr Pro Leu Ala Ala Lys Ala Ile Ala 405 410 415 Phe Leu Ser Val Thr Ala His Pro Gln Ala Leu Ser Leu Val Ser Lys 420 425 430 Ala Ala Leu Thr Pro Gly Asp Pro Ile Ile Arg Ala Tyr Ala Asn Leu 435 440 445 Ala Leu Tyr Thr Met Thr Gln Asp Pro Glu Lys Lys Ala Leu Leu Tyr 450 460 Gln Tyr Ala Glu Gln Leu Ile Gly Asp Thr Ile Leu Phe Thr Asp Glu 465 470 475 480 Glu Asn Pro Leu Pro Ser Pro His Ser Ser Tyr Leu Arg Tyr Gln Val 485 490 495 Ser Pro Glu Thr Arg Ser Gln Leu Met Leu Thr Ile Leu Glu Thr Leu Val Ser Ser Lys Thr Asp Glu Asp Ile Arg Val Phe Leu Ser Leu Met 515 520 525 Lys Lys Thr His Tyr Lys Asn Ile Pro Ile Leu Ser Gly Leu Leu Met 530 535 Arg Ile Val Glu Arg Ala Arg Tyr Gln Ala Tyr Val Glu Gln Lys Leu 545 550 560 Ile Ser Glu Glu Asp 565

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Tyr		caa Gln														:	192
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Tyr	cgt Arg 130	ctt Leu	gcc Ala	tgt Cys	atg Met	aaa Lys 135	aat Asn	agc Ser	aag Lys	gta Val	agt Ser 140	gat Asp	tac Tyr	ctt Leu	tat Tyr	4	432
		atc Ile														4	480
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	tct Ser															1584
aaa Lys	aaa Lys 530	acc Thr	cat His	tac Tyr	aaa Lys	aat Asn 535	atc Ile	ccg Pro	atc Ile	tta Leu	tca Ser 540	gga Gly	ttg Leu	tta Leu	atg Met	1632
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Thr	Tyr	Gln 35	Gln	ніѕ	Asp	Phe	Ser 40	val	Leu	Arg	val	Ile 45	Аla	Glu	Ser	
Tyr	Leu 50	Gln	Gln	Ser	Phe	Leu 55	Ser	Glu	Asp	Thr	Tyr 60	Ile	Arg	Lys	Ser	
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Leu	Ser	Glu	Ala	Ile 85	Glu	Thr	Gln	Asp	Leu 90	Tyr	Glu	Gln	Leu	Leu 95	Ile	
Leu	Asn	Ala	Ala 100	Thr	Ser	Gln	Leu	Ser 105	Lys	Thr	Ser	Asp	Lys 110	Leu	Leu	
Phe	Lys	Gly	Leu	Thr	Ala	Ser	His	Pro		Ile age		Leu	Glu	Ala	Ala	

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